

WHAT IS CLAIMED IS:

Sub A3 >

1. A service administration system for distributing service processing resources among one or more service nodes of an intelligent communications network, each service node providing services at a network resource associated with a service node, said system comprising:
 - a) a device for receiving re-usable service components for providing services at a service node of said intelligent communications network, each said service component having an associated service profile defining service node resources required for storing, maintaining and executing said service;
 - b) a device for receiving configuration criteria including physical resource capacity of each service node of said network;
 - c) a database device for storing said received service components, said service node configuration criteria, and service profile associated with said service components;
 - d) a distribution mechanism for distributing copies of said service components to one or more service nodes according to said service profile information associated with a service and a configuration criteria of said service nodes; and,
 - e) a trigger mechanism for automatically activating and deactivating said service component distributed to said service node, wherein utilization of service node resources are optimized by activating said service components at service nodes during periods of high demand for an associated service and deactivating service components at service nodes during periods of low demand for said service.
2. A method for administering service components to one or more service nodes comprising an intelligent network, each service node providing one or more services relating to an event

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received at a network resource associated with a service node,
said method comprising the steps of:

a) receiving re-usable service components for providing
services at a service node of said intelligent communications
network, each said service component having an associated
service profile defining service node resources required for
storing, maintaining and executing said service;

b) receiving configuration criteria including physical
resource capacity of each service node of said network;

c) maintaining an database including master copies of said
received service components, said service node configuration
criteria, and service profile associated with said service
components;

d) distributing copies of said service components to one or
more service nodes according to said service profile information
associated with a service and a configuration criteria of said
service nodes; and,

e) forwarding a trigger to said service node for
automatically activating and deactivating a service component
distributed to said service node, whereby a service component
distributed to said service node is activated during periods of
high demand for an associated service and deactivated at service
nodes during periods of low demand for said service.

3. A service processing system for controlling a
communications network having a plurality of service nodes, each
service node comprising at least one logic execution environment
that hosts managed objects, said service processing system
comprising:

a data manager for maintaining at each service node a local
storage of managed objects and data needed for service
processing within the service node;

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